Amendments to the Specification:

Please replace the paragraphs starting with "SUMMARY OF INVENTION," beginning on page 1, lines 24-32 and ending on page 4, lines 1-32 with the following amended paragraphs:

In order to solve the above and other problems, according to a first aspect of the current invention, a system for designing an information flow process, includes: a data storage unit for storing a predetermined set of activity names in a predetermined sequence, the activity names respectively representing certain service operations; an input/output unit connected to the data storage unit for displaying the activity names as information provider activity names and information consumer activity names according to the predetermined sequence in a predetermined data flow definition (DFD) matrix format and for receiving user input data for specifying an information name, one of the information provider activity names and a corresponding one of the information consumer activity names; and a processing unit connected to the input/output unit and the data storage unit for organizing relationships among the information provider activity names, the information consumer activity names and the information names at a position in the predetermined DFD matrix format representing data to be transmitted from the information provider activity name to the information consumer activity name, the processing unit storing the relationships in an entity relation (ER) source information file-, said input/output unit receives the user data for further determining associated detailed activities of a selected one of the activity names, said processing unit updating the predetermined DFD matrix format based upon the associated detailed activities for displaying the activity names, said processing unit storing the activity names with the associated detailed activities in the ER source information file.

According to a second aspect of the current invention, a system for designing an information flow process, includes: a data storage unit for storing a predetermined set of activity names in a predetermined sequence, the activity names respectively representing certain service operations; an input/output unit connected to the data storage unit for displaying the activity names as information provider activity names and information consumer activity names

according to the predetermined sequence in a predetermined data flow definition (DFD) matrix format and for receiving user input data for specifying an information name, one of the information provider activity names and a corresponding one of the information consumer activity names; and a processing unit connected to the input/output unit and the data storage unit for organizing relationships among the information provider activity names, the information consumer activity names and the information names at a position in the predetermined DFD matrix format representing data to be transmitted from the information provider activity name to the information consumer activity name, the processing unit storing the relationships in an entity relation (ER) source information file, wherein the input/output unit receives additional user input data for selecting sequential pairs of the activity names and the information names from the DFD matrix, the processing unit storing the sequential pairs of the activity names and the information names into an event trace table, the processing unit reading one of the activity names from the event trace table, the processing unit causing the input/output unit to display the one of the activity names in an event record column in an event trace diagram, the processing unit reading a corresponding one of the information names from the event trace table, the processing unit causing the input/output unit to display the corresponding one of the information names in a row that corresponds to the one of the activity names in the event record column.